

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/051811

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04Q7/38 H04L12/56

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04Q H04L H04B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 01/10157 A (KONINKL PHILIPS ELECTRONICS NV) 8 February 2001 (2001-02-08) page 4, line 19 - page 5, line 26 page 6, line 5 - line 20 page 6, line 30 - page 9, line 2 abstract	1-18
A	US 2003/139170 A1 (HEO WON-SUK) 24 July 2003 (2003-07-24) paragraph '0007! - paragraph '0010! paragraph '0013! - paragraph '0016! paragraphs '0022!, '0028!, '0029! abstract	1-18
A	WO 01/11823 A (KONINKL PHILIPS ELECTRONICS NV) 15 February 2001 (2001-02-15) page 4, line 13 - page 7, line 23 ----- -/-	1,14-18

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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- *O* document referring to an oral disclosure, use, exhibition or other means
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Date of the actual completion of the international search

8 December 2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>WD 01/33884 A (KONINKL PHILIPS ELECTRONICS NV) 10 May 2001 (2001-05-10)</p> <p>page 1, line 28 - page 3, line 15</p> <p>page 6, line 14 - page 7, line 11</p> <p>page 7, line 22 - page 11, line 9</p>	1,14-18
A	<p>US 2002/080745 A1 (ZEIRA ELDAD ET AL) 27 June 2002 (2002-06-27)</p> <p>paragraph '0006! - paragraph '0008!</p> <p>paragraphs '0026!, '0027!</p> <p>paragraph '0030! - paragraph '0033!</p>	1,14-18

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/051811

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0110157	A	08-02-2001	CN 1327697 T	19-12-2001
			WO 0110157 A1	08-02-2001
			EP 1118236 A1	25-07-2001
			JP 2003506931 T	18-02-2003
US 2003139170	A1	24-07-2003	KR 2003047474 A	18-06-2003
WO 0111823	A	15-02-2001	CN 1363161 T	07-08-2002
			WO 0111823 A2	15-02-2001
			EP 1145489 A2	17-10-2001
			JP 2003506965 T	18-02-2003
			US 6708037 B1	16-03-2004
WO 0133884	A	10-05-2001	CN 1342379 T	27-03-2002
			WO 0133884 A1	10-05-2001
			EP 1157583 A1	28-11-2001
			JP 2003513573 T	08-04-2003
US 2002080745	A1	27-06-2002	US 2002089954 A1	11-07-2002
			AU 775980 B2	19-08-2004
			AU 5035100 A	05-12-2000
			BR 0010635 A	19-02-2002
			CA 2371482 A1	23-11-2000
			CA 2473828 A1	23-11-2000
			CN 1137598 C	04-02-2004
			CN 1486009 A	31-03-2004
			DE 1183892 T1	28-11-2002
			EG 22583 A	30-04-2003
			EP 1183892 A1	06-03-2002
			JP 2003500912 T	07-01-2003
			NO 20015616 A	17-12-2001
			TW 476199 B	11-02-2002
			WO 0070903 A1	23-11-2000

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